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10/21/2004

Keith D. Nelson
Lockheed Martin Corporation
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KEITH D. NELSON	(Depositor's name)
<i>[Signature]</i>	(Signature)
11/16/04	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/845,557	04/30/2001	Ralph Spickermann	00-1006	2212

TITLE OF INVENTION: PROGRAMMABLE OPTICAL VECTOR MODULATOR AND METHOD FOR USE IN COHERENT OPTICAL COMMUNICATIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1370	\$300	\$1670	01/21/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
LEUNG, CHRISTINA Y	2633	398-185000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
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2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
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1. KEITH D. NELSON

2. _____

3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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LOCKHEED MARTIN CORPBETHESDA, MDPlease check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other part interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

[Signature]

Date

11/16/04

Typed or printed name

KEITH D. NELSON

Registration No.

29,233

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 14 Alexandria, Virginia 22313-1450.

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FOR Y00-025-1512P2, AB.P2Z, 10 COPIES

Kenneth W. Float

⑈009169⑈ ⑆12200066⑆ 23530⑈08974⑈ SN 09/845,557

Received in the United States Patent and Trademark Office on the date stamped:

In re patent application of: Ralph Spickermann

Serial No. 09/845,557

Filed: April 30, 2001

For: Programmable Optical Vector Modulator and Method for Use in Coherent Optical Communication

Enclosed:

☒ Issue Fee Transmittal form including Certificate of mailing and order for ten (10) patent copies

☒ Cheque(s) in the amount of \$1700.00

☐ Certificate of mailing

PD-00-1006

November 10, 2004

Y00-025-4

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